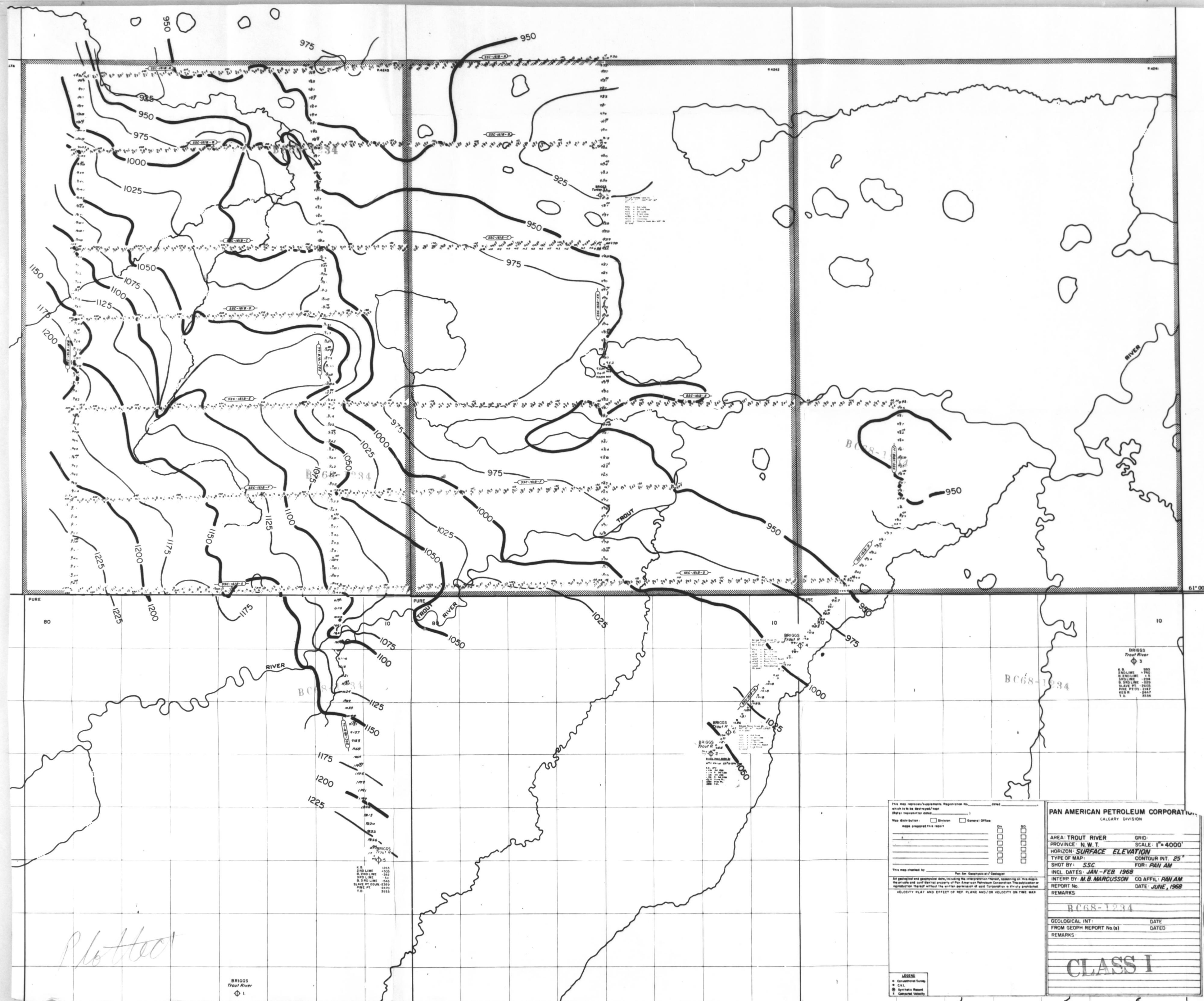
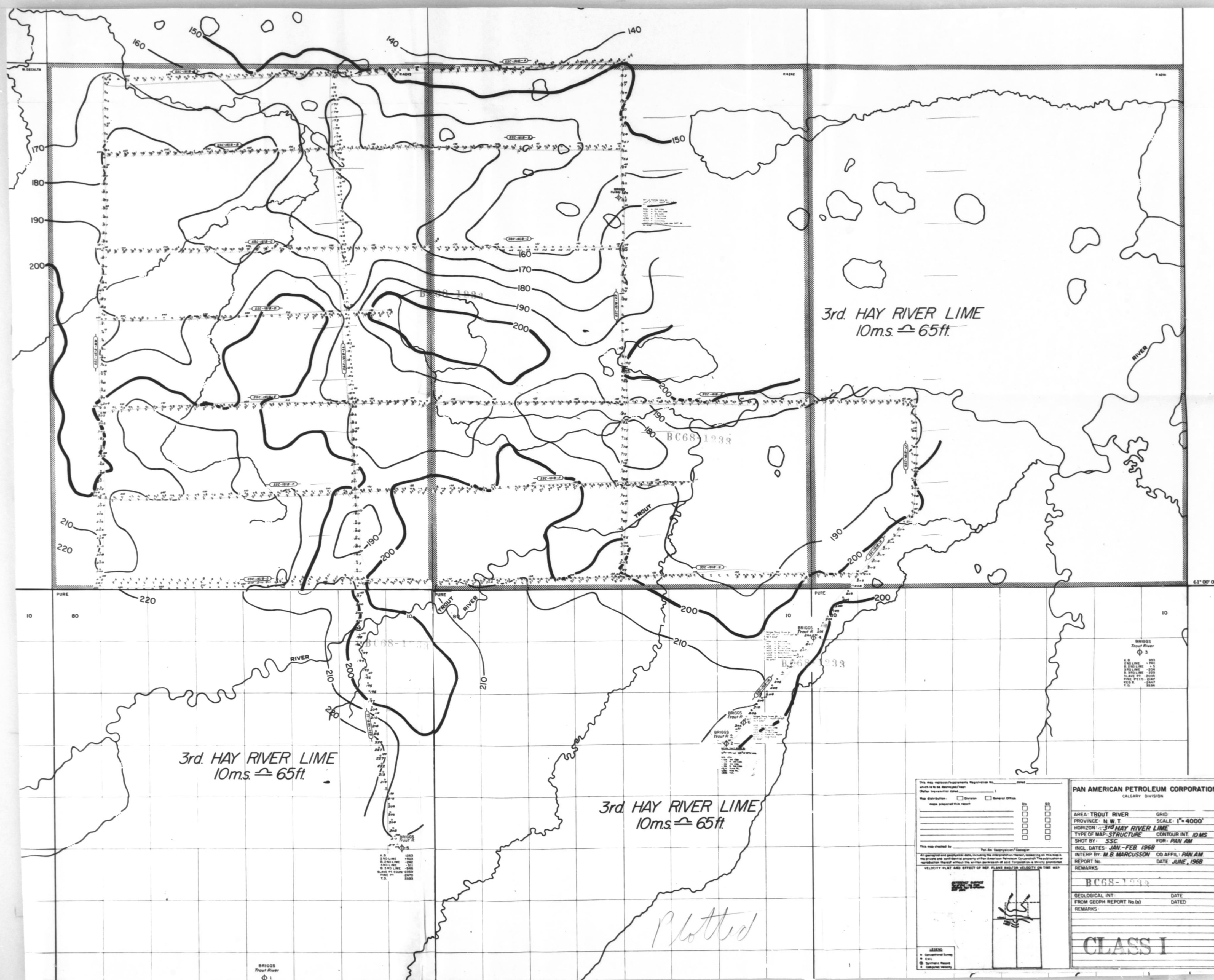






60-6-4-65

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Abstracted for
Geo-Science Data Index

Date _____

REPORT OF GEOPHYSICAL AND
SEISMOGRAPH REFLECTION SURVEY

On and off Federal Permits 4241, 4242 and
4243, Trout River Area, N.W.T., National
Topographic Grids 95-A-15 & 16 and 95-H-1
& 2, January and February, 1968.

Prepared By: C. W. Allison
Exploration Group Supervisor

June 28, 1968

REPORT OF GEOPHYSICAL SURVEY
REPORT OF SEISMOGRAPH REFLECTION SURVEY

Abstracted for
Geo-Science Data Index

Date _____

Conducted By

Seismograph Service Corporation of Canada

for

Pan American Petroleum Corporation

During

January and February, 1968

On and Off Federal Permits 4241, 4242 and 4243
Trout River Area, Northwest Territories,
National Topographic Grids 95-A-15 and 16 and
95-H-1 and 2.

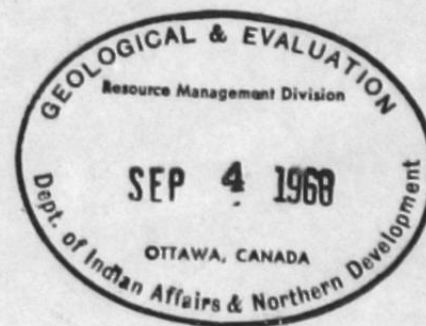
Prepared By

C. W. Allison

Exploration Group Supervisor

June 28, 1968

Submitted in accordance with Government Regulations under Section
54(F) of the Territorial Lands Act.



60-6-4-674

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Structure Contour Map.....	In Pocket

TEXT

INTRODUCTION

During January and February, 1968 a seismograph reflection survey was conducted on and off Federal Permits 4241, 4242 and 4243, Trout River area, N.W.T. by Seismograph Service Corporation of Canada for Pan American Petroleum Corporation.

S.S.C. Party 161B spent 44 calendar days in the area working on seismic lines cut and cleared at the same time the work was being done. The field party was under the supervision of Mr. Hugh Jasman, Party Manager.

Pan American's interpretive staff located in Calgary, Alberta spent a total of 120 days on this project. The interpretation was done following the completion of the field work and was completed on June 26, 1968. No personnel other than those on the field party and on the interpretive staff worked directly on the project.

Recording and drilling equipment was mounted on conventional wheeled vehicles. The camp, also wheel mounted, consisted of three trailers; a diner-kitchen-sleeper unit, an office-utility-sleeper unit and a parts-power unit.

Unseasonable warm spells presented some problems in the operation.

SEISMIC TECHNIQUE

Shothole depth varied from 30 feet to 50 feet depending on near surface lithology. Generally one hole with a $1\frac{1}{4}$ lb. charge was used.

A spread configuration as shown in the seismic diagram was used to obtain 600% multifold coverage.

The instruments used by SSC-161B were the FA-44C type amplifiers manufactured by Pan American Petroleum Corporation. The data was recorded on Techno type analogue magnetic tapes.

The reflection method was used to obtain the subsurface data throughout the area.

The values that appear on the subsurface map are vertical two-way times between an arbitrary reference surface and the particular horizon mapped.

Respectfully submitted,

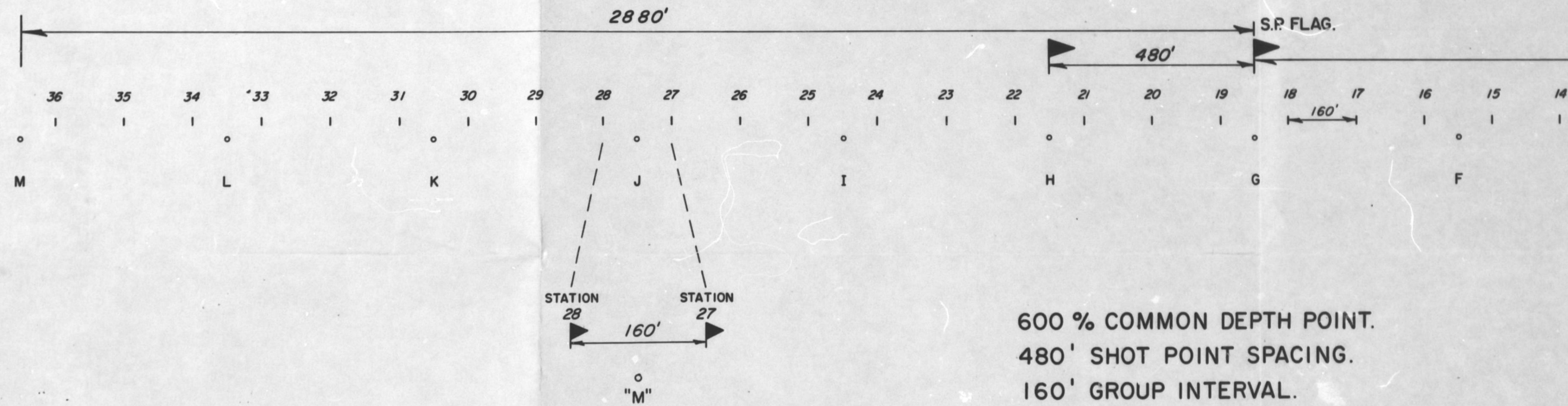
PAN AMERICAN PETROLEUM CORPORATION

By: *C. W. Allison*

C. W. Allison

Exploration Group Supervisor

CABLE DIAGRAM
SSC - 161B.
WINTER 1967-68.



1 HOLE, & 2 & 3 HOLE PATTERNS
100' SPACING FOR PATTERN HOLES

600 % COMMON DEPTH POINT.
480' SHOT POINT SPACING.
160' GROUP INTERVAL.

CABLE DIAGRAM
SSC - 161B.
WINTER 1967-68.

